



Intertek Testing Services
Caleb Brett

MOVEMENT SUMMARY

Vessel	:	MT PETROLIA DESGAGNES
Port	:	SPRAGUE OSWEGO, NY
Customer Product Description	:	# 6 FUEL
Client	:	PETROCANADA, SPRAGUE
Date	:	12/19/2003
Report #	:	# 03-004568

Analysis : Based on receiving shore tank # 4 after discharge

Account : 100 % Sprague Energy

Lab Ref # 03-004568-NYHB-016

<u>Test</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>
API Gravity	D 4052	13.5	60 Deg F
Flash Point	D 93B	>200	Deg F
Viscosity	D 445	240.4	122 d F CST
Viscosity	D 2161	113.7	122 d F SFS
Pour Point	D 97	6 / 43	Deg C / F
Sulfur	D 4294	1.27	Pct Wt
BS & W	D 1796	0.05	Vol %
Heat of Combustion	D 240	18,549	Btu / Lb
Heat of Combustion	D 240	150,748	Btu / Gal
Asphaltene	D 3279	1.39	Wt %
Ash	D 482	0.047	Wt %
Micro Carbon Residue	D 4530	10.7	Wt %
Nitrogen	D 5762	0.29	Wt %
Sediment by Extraction	D 473	0.03	Wt %
Water by Distillation	D 95	0.1	Vol %
Sodium	ICP	19.2	PPM
Vanadium	ICP	26.3	PPM

BEST REGARDS,
David Palkowetz
Intertek Caleb Brett New York Harbor

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